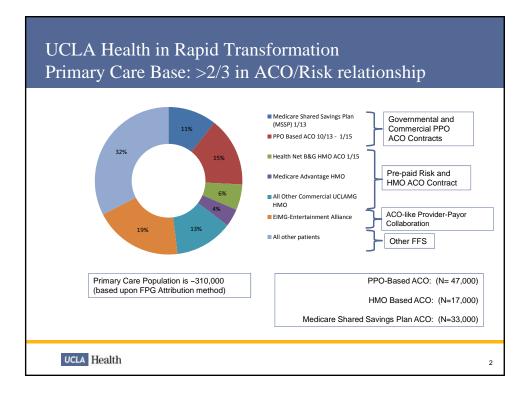
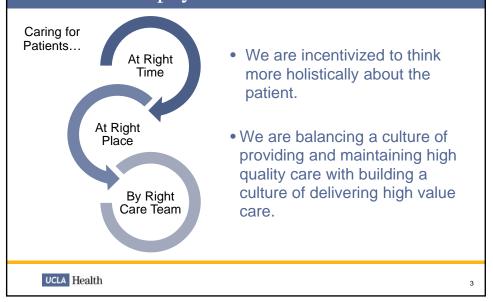
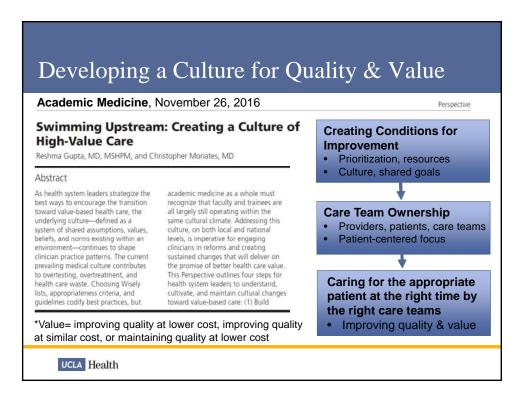
# A Scalable Approach to Value Creation for High-risk Complex Conditions

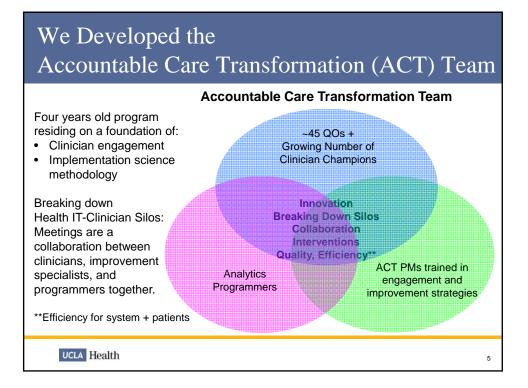
Reshma Gupta, M.D. M.S.H.P.M. Medical Director for Quality Improvement UCLA Health

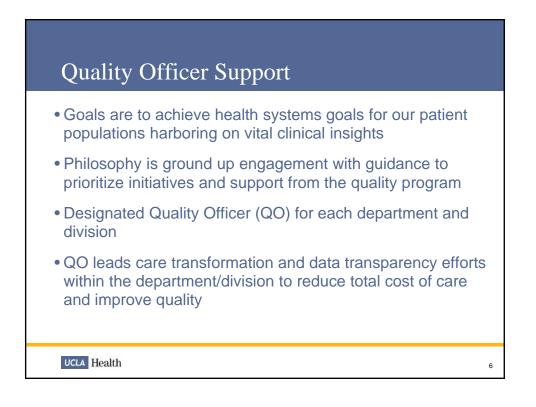


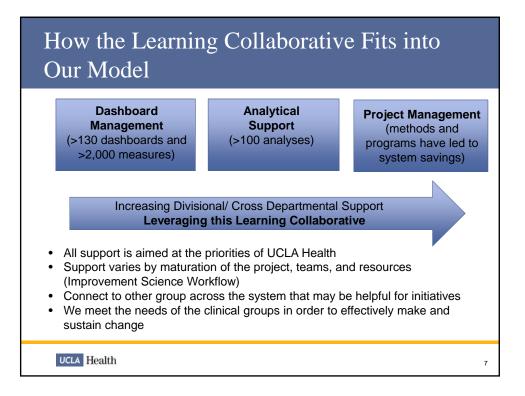
## Our Philosophy

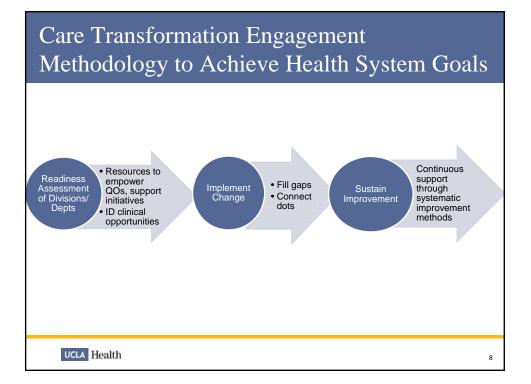






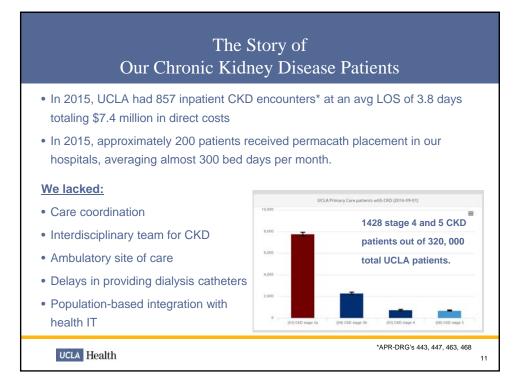


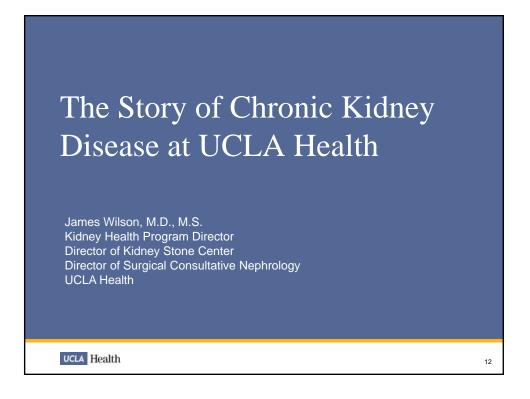


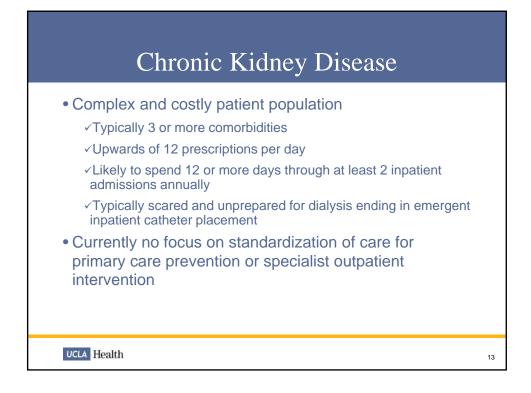


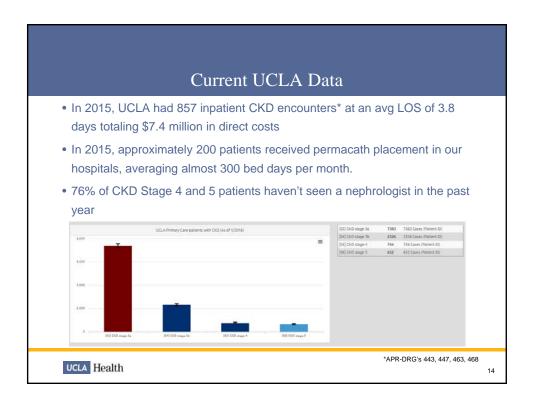


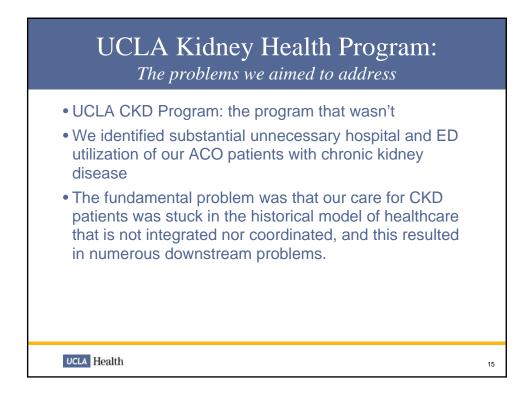


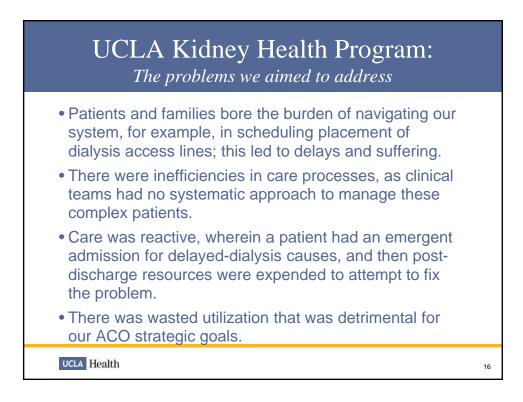






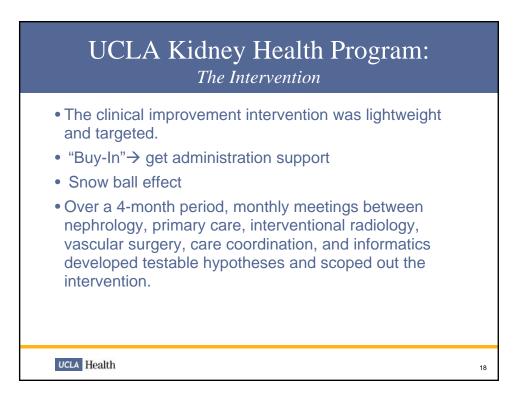






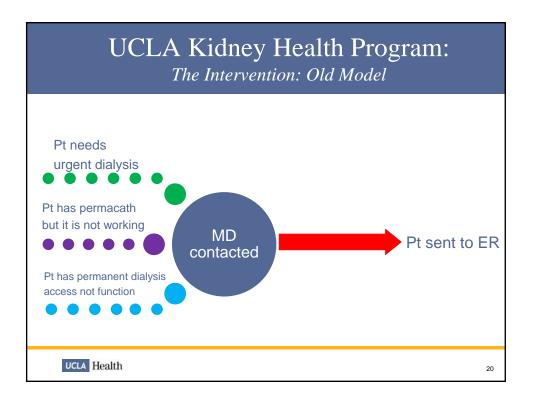
## UCLA Kidney Health Program: The problems we aimed to address

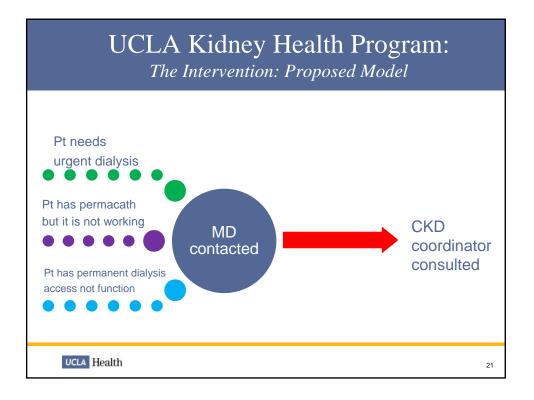
- For example, at baseline, we found that our ACO patients had emergent hospital admissions to start dialysis – and used approximately 450 hospital bed-days every month just for this service.
- Goal was to identify specific inefficient systems of care around the management of CKD patients who were close to requiring dialysis.
- Specifically, these patients typically have a several months-long deterioration, but inserting a dialysis access in the ambulatory setting requires nuanced education of patients and detailed care coordination between primary care, nephrology, and radiology/surgery.

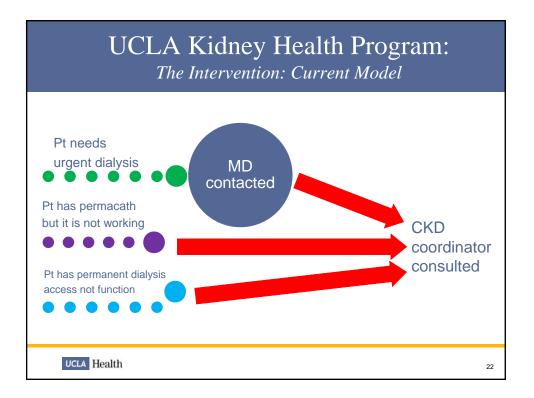


UCLA	Kidney Health Pro	ogram:		
The Intervention				

Phase 1- 2016 Implementation				
<ul> <li>Prevention-Focused Goals:</li> <li>1. Primary Care Management <ul> <li>a. Problem List</li> <li>b. Nephrology referral</li> </ul> </li> <li>2. Quality Metric Testing</li> <li>3. Quality Metric Outcomes</li> </ul>	<ul> <li>Dialysis/Late CKD Stage-Focused Goals:</li> <li>1. Increase OP placement</li> <li>2. Catheter removal within 90 days</li> <li>3. Non-functioning access in ED should be diverted to OP setting</li> </ul>			
Phase 2- 2017 Implementation				
<ul> <li>Comprehensive CKD Clinic held weekly to provide team-based care:</li> <li>Nephrologist</li> <li>Dietician</li> <li>Social Worker</li> <li>Pharmacist</li> </ul>				
UCLA Health	15			

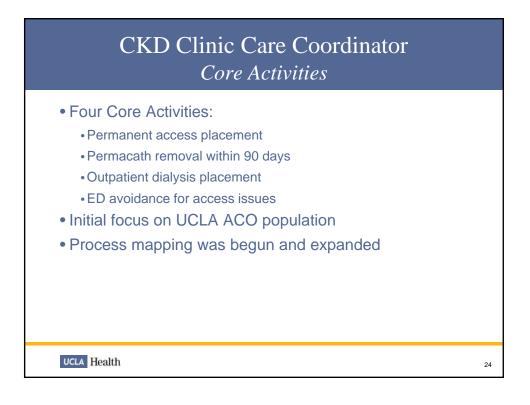


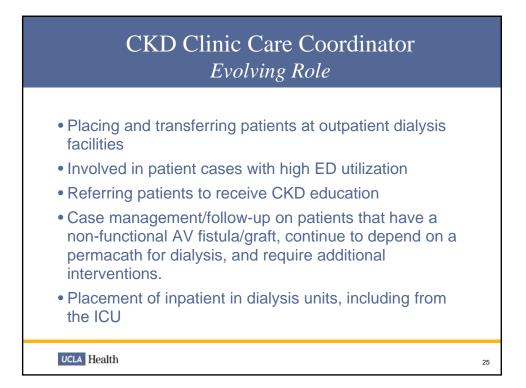


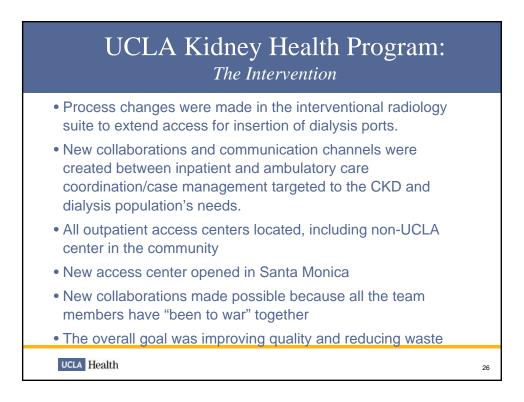


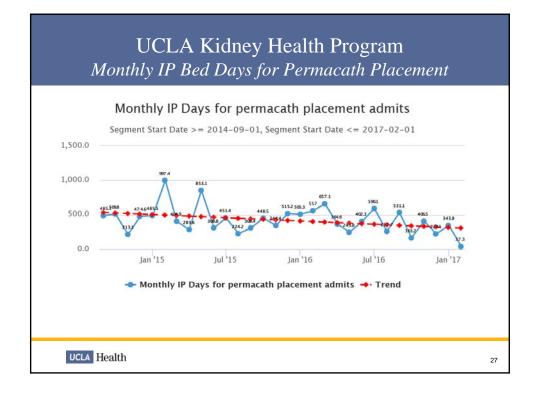
### UCLA Kidney Health Program: The Intervention

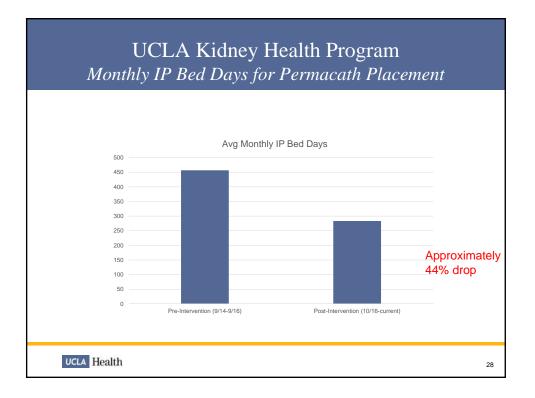
- Custom analytics using clinical EMR data provided the QI and clinical teams with a precise dashboard to track the intervention and to identify the right patients for outreach.
- One new FTE care coordinator was hired and, to leverage shared resources, based within the Health System's 40-FTE PCMH-based coordinator program.
- Training was key → introduction to all key stakeholders, teach dialysis, share my contacts, teach how to get things done
- Location was key → immediately next to me

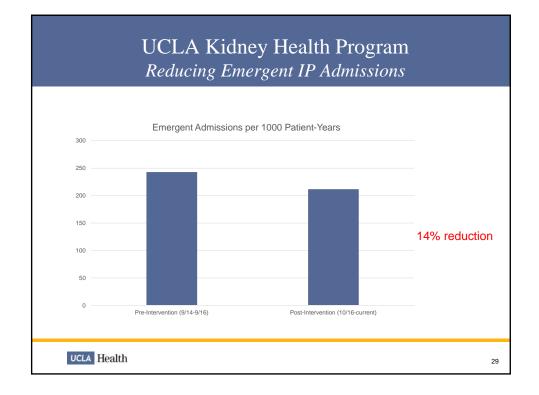


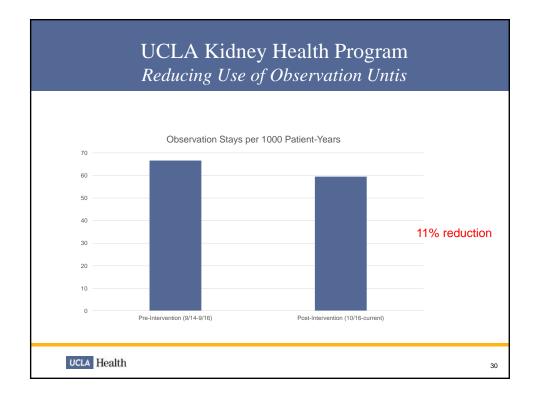




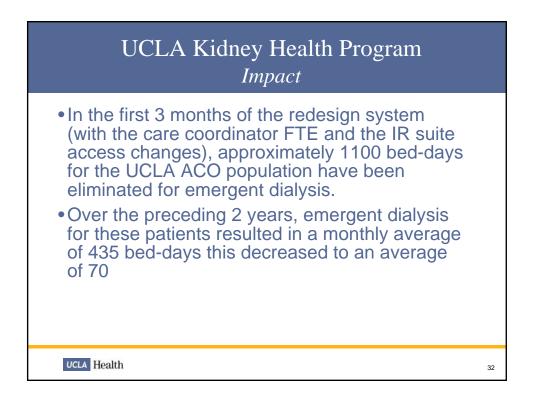


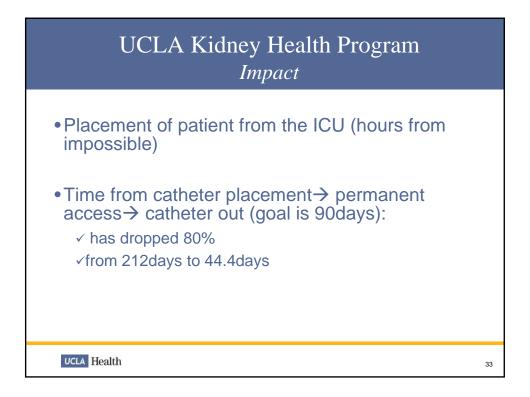


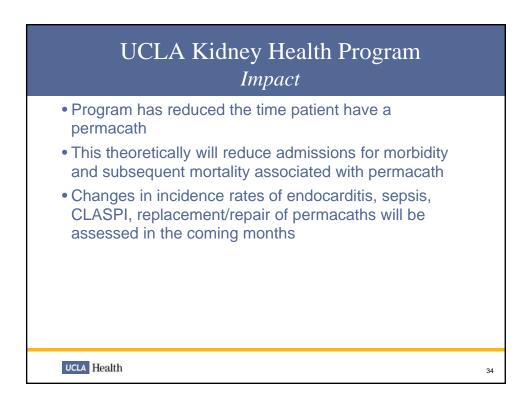


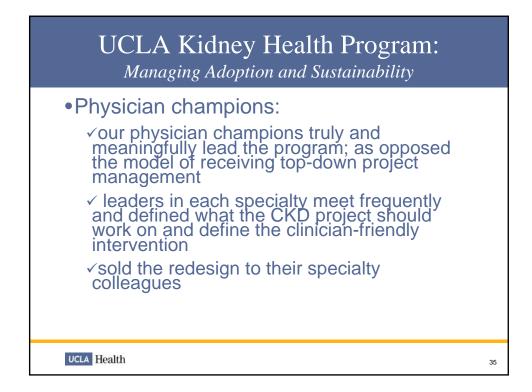


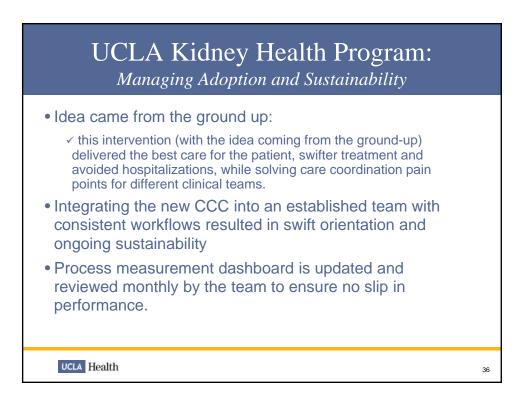
UCLA Kidney Health Program Health Plan Facility Payment Savings			
Year	Total Bed Days for Permacath Placement Admissions*	Total Facility Payment Savings Compared to Baseline	
2015 (Baseline)	5,623	N/A	
2016	4,728	(5,623-4,728) x \$9,187** = <b>\$8.2 million</b>	
UCLA Health *Based upon all populations, not just for those in Accountable Care programs **Modeled from Example Surgical Allowed/Day for Commercial Plan. Actual Paid Varies By Plan 31 (e.g. Medicare pays by DRG). Additional savings from professional & direct costs not included.			





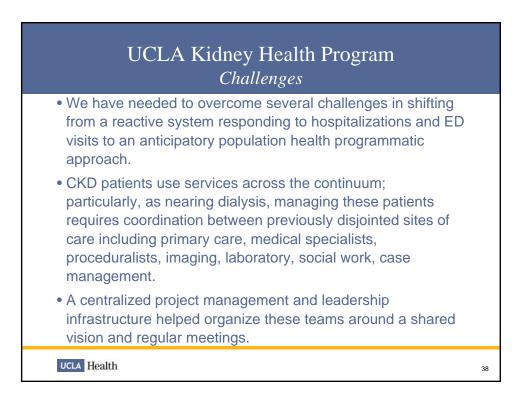






### UCLA Kidney Health Program Challenges

- As a second challenge, at the project outset, the improvement team did not have the data that defined the target population and the nature of the quality/utilization problem
- Through partnership between an informatics team, novel custom metrics were created that justified the QI resources and allowed for anticipatory identification of at-risk patients.
- A last challenge was the funding of the new FTE care coordinator position; while the clinical care for the CKD population occurred at the nexus of the hospital and ambulatory system, this new position was funded by the ACO in anticipation of shared savings.





- Scaling population health care redesign is possible with a balance of centralizing certain infrastructure (project management, informatics, care coordination) with condition-specific adaptation.
- Precise information is necessary for successful redesign. Health system leaders, operations leads, and clinicians are inundated with ideas for new projects and with maintaining ongoing projects.
- Analytics customized to the targeted question can harness engagement more quickly and sustained improvements over time.

